

L 18950-65 EWT(m)/EPT(c)/EWP(j) Pc-1/Pr-1 ASD(m)-3 RM

ACCESSION NR: AP4049431

S/0316/64/000/003/0683/0089

AUTHOR: Petrova, Z.G., Babayeva, A.A., Sadykhova, B.A., Zeynalova, K.G. B

TITLE: Preparation of sulphopolymers from divinylbenzene and styrene and a study of their physicochemical properties

SOURCE: Azerbaydzhanskij khimicheskij zhurnal, no. 3, 1964, 83-89

TOPIC TAGS: Isopropylbenzene peroxide, divinylbenzene, styrene, copolymerization, sulphopolymer, sulfonation, polymer physical property, ion exchange resin

ABSTRACT: Copolymers produced from a mixture of styrene and 2.5% commercial divinylbenzene by heating for 6 hours at 90-98C using 1-3% isopropylbenzene peroxide as an initiator and 0.5% azolate as an emulsifier were sulfonated for 4 hours at 120C by 98-100% sulfuric acid used in a 4:1 ratio to the polymers. Granulometric composition, bulk and true density, total exchange capacity, swelling characteristics, and calcium-ion capacity of the polymers are given in tables for different sulfonation conditions. The effect of increasing the divinylbenzene content in the original compounds from 5 to 30% on the properties of ion exchange resins produced by sulfonation is also tabulated. Excessive swelling limits the divinyl content of the copolymers to 10%. Orig. art. has:

Card 1/2

L 18950-65
ACCESSION NR: AP4049431

4 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: OC

NO REF SOV: 008

OTHER: 000

Card 2/2

PETROVA, Z.G.; BABAYEVA, A.A.; SAIYKHUVA, S.A.; ZEYNALOVA, K.G.

Preparation of sulfopolymers based on divinylbenzene and styrene,
and study of their physicochemical characteristics. Azerb. Khim.
zhur. no.3:83-89 '64. (RUSS. 1964)

PETROVA, Z.G.; BABAYEVA, A.A.; SADYKHOVA, S.A.; ZEYNALOVA, K.G.

Some data on sulfocation exchangers obtained on the basis
of polyalkyl benzenes produced by synthetic rubber plants.
Azerb. khim. zhur. no.2:45-50 '63. (MIRA 1:2)

PETROVA, Z.G.; BABAYEVA, A.A.; SADIYKHOVA, S.A.; ZEYNALOVA, K.G.;
MIRZOYEVA, O.I.; ZAMANOVA, F.Yu.

Study of the regularities in the process of copolymerization
of divinylbenzenes with styrene using azolyat as an
emulsifying agent. Azerb. khim. zhur. no.1:37-42 '64.

(MIRA 17:6)

NAGIYEV, M.F., akademik; PETROVA, Z.G.; SUMTANOVA, A.L.

Investigation of the kinetics of a homogeneous decomposition of
propyl nitrate and butyl nitrate. Dokl. AN SSSR 169 no.3:573-575
Jl '56. (MIRA 9:10)

1. Akademiya nauk Azerbaydzhanskoy SSR (for Nagiyev)

(Butyl nitrate) (Propyl nitrate)

L 04973-67 EWT(m)/EWP(j) IJP(c) RM/WW
ACC NR: AP6025824 (A)

SOURCE CODE: UR/0316/66/000/001/0052/0055

AUTHOR: Petrova, Z. G.; Kasumova, N. M.

21
B

ORG: Institute of Theoretical Problems of Chemical Technology, AN AzerbSSR (Institut teoreticheskikh problem khim. tekhnologii AN AzerbSSR)

TITLE: Preparation of diethylbenzene-styrene copolymers via the polyrecombination reaction

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1966, 52-55

TOPIC TAGS: copolymer, styrene, dialkyl benzene

ABSTRACT: In an earlier article (Azerb. khim. zh., 1965, No. 6), the authors showed that diethylbenzene polymers can be obtained by the polyrecombination reaction. In the present paper, the polyrecombination reaction was used to synthesize diethylbenzene-styrene copolymers in the range of 150-170°C. The temperature, reaction time and ratio of the initial components did not affect the total yield of copolymers, but did affect the quantitative distribution of the types of copolymers and their qualities. At 150°C at all diethylbenzene/styrene ratios only soluble high-molecular polymers were formed. At 160°C, cross-linked structures began to form in the presence of a 50% content of diethylbenzene; when 60% of the latter was present, only a three-dimensional polymer was observed to form. No other changes were noted upon raising the temperature to 170°C. Although the reaction time and change in the diethylbenzene

Card 1/2

L 04973-67

ACC NR: AP6025824

content of the mixture from 20 to 60% at 150°C and from 20 to 40% at 160°C did not affect the yields of soluble high-molecular copolymers, these parameters did influence the molecular weight, which at a constant temperature was found to increase with rising diethylbenzene content of the mixture. When this content was constant, the molecular weight of the copolymer increased with rising temperature. At a constant composition of the reaction mixture and constant temperature, the molecular weight of the copolymer increased with the reaction time. It is concluded that both linear copolymers and macromolecules of cross-linked structure can be obtained from a mixture of diethylbenzenes with styrene. Orig. art. has: 1 figure and 2 tables.

SUB CODE: 11/ SUBM DATE: 12Mar58/ ORIG REF: 002/ OTH REF: 002

Cord

2/2 *tdh*

PETROVA, M.I.; PETROV, I. . .

Beryllium is a very light metal, which is used in the manufacture of alloys.

.. In addition, it is used in the manufacture of electronic devices.

... ..

[illegible]

• *Journal of the American Academy of Child and Adolescent Psychiatry* 34: 103-111, 1995. © 1995 by John Wiley & Sons, Inc.

FERDINAND, Ya.M. (Rostov-na-Donu); Prinimali uchastiye: MARISOVA, A.P.;
BRAYNINA, R.A.; MARGULIS, L.A.; MYASNENKO, A.M.; KOVALEVSKAYA,
I.L.; TELESHEVSKAYA, E.A.; SOBOLEVA, S.V.; KALININA, K.I.;
KOVALEVA, N.S.; IVANOVA, M.K.; ARENDER, B.A.; KUCHERENKO, R.A.;
MANATSKOVA, K.S.; OLEYNIKOVA, L.T.; KIBARDINA, Yu.A.;
GRIGOR'YEVA, K.S.; SEMENIKHINA, L.G.; CHERNYKH E.I.; DOROFEYEVA,
V.M.; SHEVCHENKO, Ye.N.; ABRAMOVA, O.K.; SKUL'SKAYA, S.D.;
PETROVA, Z.I.; MAKHLINOVSKIY, L.I.; KUZ'MINA, A.I.; AL'TMAN, R.Sh.;
MARDERER, R.G.; YENGALICHEVSKAYA, L.N.; CHIRKOVA, M.N.; TERESHCHENKO,
N.I.; SHELKOVNIKOVA, M.A.; PROKOPENKO, V.V.; BEKLEME~~SH~~YEVA, Ye.~~R~~.;
BARANOVA, T.V.

Effectiveness of specific prophylaxis with alcohol divaccine
against typhoid and paratyphoid B fever in school-age children.
Zhur. mikrobiol., epid. i immun. 41 no.1:23-27 Ja '64.

(MIRA 18:2)

PETROVA, Z.I., nauchnyy sotrudnik

Some methods for controlling the onion nematode *Ditylenchus* spp.
Zashch. rast. ot vred. i bol. 7 no.11:39-40 N '62. (MIRA 1967)

PETROVA, Z.I., mladshiy nauchnyy sotrudnik

Soil disinfection against the stem nematode. Zashch. rast. ot
vred. i bol. 4 no.5:28 9-0 '59. (MIRA 16:1)
(Nematode diseases of plants) (Soil disinfection)

PE TROVA Z M

BAGARYATSKIY, Yu.A., doktor fiz.-mat.nauk; PETROVA, Z.M.; UTEVSKIY, L.M., kand.
tekh.nauk

Constitution diagram of the system Ni-Cr-NiAl. Probl. metalloved. i
fiz.met. no.5:235-240 '58. (MIRA 11:4)
(Phase rule and equilibrium)

PETROVA, Z.M., inokulatorshehitsa.

New technology is the basis of progress. Gidroliz. i lesokhim. prom.
11 no.3:14 '58. (MIRA 11:5)

1. Sul'fitno-spirovyy zavod Vyborgskogo tsellyulozno-bumazhnogo
kombinata.

(Vyborg--Alcohol) (Vyborg--Yeast)

137-58-6-13261

Translation from Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 298 (USSR)

AUTHORS Bagaryatskiy, Yu.A., Petrova, Z.M., Utevskiy, L.M.

TITLE Phase Diagram of the Ni-Cr-NiAl Alloy System (Diagramma sostoyaniya sistemy Ni-Cr-NiAl)

PERIODICAL Sb. tr. In t metalloved. i fiz. metallov Tsent. n. i in ta chernoy metallurgii, 1958, Vol 5, pp 235-240

ABSTRACT The alloys were smelted in a high-frequency furnace in an Ar atmosphere, homogenized at 1400-1430°C in an Ar atmosphere for 2-4 hr, and examined by microstructural and X-ray analyses. The eutectic temperature of the quasi-binary section Cr-NiAl was 1450°, the solubility of NiAl in Cr at 1150-1250° was 6-7 atom %, the maximum solubility of NiAl in Cr at the eutectic temperature is 27-28 atom %, the eutectic point lies about 60-62 atom % NiAl. Also investigated were a number of alloys rich in Cr, and the borders of the region of solid α solution at 1250, 1150, and 950° were plotted. Refer also RzhMet, 1956, Nr 1, abstract 644.

Card 1/1

PETROVA, Z.M.; VERMUL, M.S.

Follow-up after preventive instructions and therapy of malaria in the
Voroshilovabad District of Tadzhik S.S.R. Med.paraz. i paraz.bol. no.6:
543 H-D '53. (MLRA 6:12)

1. Iz Voroshilovabadskey rayonnoy bol'nitsy.
(Voroshilovabad District--Malarial fever) (Malarial fever--
Voroshilovabad District)

PETROVA, Zinaida Mikhaylovna; KEDYK, S.P., red.; FREGER, D.P., red.
izd-va; BELOGUROVA, I.A., tekhn. red.

[Engineer-curator of the information section of the Scientific Research Institute, his role and place in the organization of technical work for research and design] Inzhener-kurator otдела informatsii NII, ego rol' i mesto v organizatsii tekhnicheskoi informatsii dlia nauchno-issledovatel'skikh i opytно-konstruktorskikh rabot. Leningrad, 1962. 27 p. (MIRA 16:3)

(Technology--Information services)

PETROVA, Zinaida Mikhaylovna; CHERNYAK, I.S., dets., red.; KUBNEVA, M.M.,
tekhn. red.

[Organizational forms and methods of work in the technical information sections of research institutes] Organizatsionnye formy i metody raboty po tekhnicheskoi informatsii v nauchno-issledovatel'skikh institutakh. Leningrad, 1959. 38 p. (MIRA 14:10)
(Technology—Information services)

BAYMAKOV, A.Yu.; PETROVA, Z.N.

Preparation of extra pure tellurium by the zonal refining method.

TSvet. met. 33 no.6:43-45 Je '60.

(MIRA 14:4)

(Tellurium--Metallurgy)

PETROVA, Z.P.

Calculation of rainfalls continuing for many days and regularities
in their area distribution in the Far East. Trudy GGI no. 79:
117-148 '60. (MIRA 15:8)
(Soviet Far East—Rain and rainfall)

PETROVA, Z.P.

Characteristics of rainfall distribution over a given area.
Trudy GGI no.68:86-113 '59. (MIRA13:4)
(Rain and rainfall)

PETROVA, Z.P.

28956 Kharakteristika Vydayushchikhsys Dazhdey Na Territorii Tsentral'nykh Chernozemnykh Oblastey. Trudy Gos Gidrol. In-Ta, VIP 14, 1949 S. 95-122-Bibliogr: 9 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

PETROVA, Z.P. mladshiy nauchnyy sotrudnik

Studying characteristics of the occurrence of precipitation on the territory covered by observations of the Veliko-Anadol' pluviometric station group. Trudy OGMI no.15:89-92 '58. (MIRA 12:7)

1. Gosudarstvennyy gidrologicheskiy institut.
(Precipitation (Meteorology))

PETROVA, Z.P., mladshiy nauchnyy sotrudnik

[Studying characteristics of the occurrence of precipitation].
Trudy OGMI no.15:249 '58. (MIRA 12:7)

1.Gosudarstvennyy gidrologicheskiy institut.
(Precipitation (Meteorology))

• • • • •

of solid with the liquid." (p. 101) "The solid is a body of definite shape and volume, and the liquid is a body of definite volume but indefinite shape." (p. 102)

30: Enrollment Date 1st Nov. 1971, 11:11 AM

*For the Degree of Candidate in Medical Sciences.

USSR / Microbiology. Microbes Pathogenic to Man and Animals. Bacteria. Bacteria of the Intestinal Group.

Abs Jour: Ref Zhur-Biol., No 10, 1967, 2117.

Author : Smaylina, V. V.; Ilyutovich, A. Ya.; Satrapa, Z. S.; Podulina, T. V.; Golubeva, Ye. M.; Levtrova, A. I.; Chetvernina, R. S.

Inst : Stavropol Scientific-Research Institute of Vaccines and Sera.

Title : Experimental- biological model of bacterial Dysentery.

Orig Pub: Sb. nauchn. tr. Stavropol'sk. n.-i. inst. vaktsin i syverotox, 1967, vyp. 4, 85-87.

Abstract: Kittens aged 2-5 months were infected orally with a local strain of a Flexner type 4 in a quantity of 1-8 billion microbe bodies. Development of

Card 1/3

USCR / Microbiology. Describes procedures to collect and
animals. Bacteria. Bacteria of the late anal
Group. No 10, 1961, 7177.
observed in.

USBR / 10000
Animals. 34800
Group.

Also Jour: Nat Bur-Med., No 10, 1904, 71179.
Local bacterial inventory was sent
the incubation period
the incubation period

Abstract: typical bacterial dysentery was observed in all kittens after the incubation period. The animals were divided into 3 groups according to the character of the course of the disease (severe, intermediate and carriage of the infection). It is noted that the seriousness of the disease did not depend on the infecting dose or the incubation period. The diagnosis was confirmed by the cultivation investigation of feces and intestinal contents, as well as by means of phagocyte reaction and reaction of agglutination with sera of the kittens. Bacteriological-anatomic and histological studies of intestinal organs of the kittens were also characteristic.

Card 2/3

61

MSR / Microbiology. Microbes in the environment and animals. Bacteria. Bacteria of the intestinal Group. 3-5

Int Jour: Ref Zoon-Biol., No 15, 1962, 72177.

Abstract: for dysentery. The authors - in that kittens must serve as an experimental-biological model for the study of the problems of pathogenesis and immunity from dysentery. -- A. I. Gerasimov.

Card 3/3

USSR / Microbiology - General Microbiology.

Abs Jour: Ref Zhur-Biol., No 3, 1958, 38321.

Author : ~~Petrova, Z. S.~~

Inst : Not given.

Title : Experimental Growth of Pallid Treponema on the
Surface of Solid Nutrient Media.

Orig Pub: Sb. nauchn. tr. Stavropolsk. n.-i. in-t vaktsin
i syvorotok, 1957, No 4, 311-316.

Abstract: No abstract.

Card 1/1

51

and moderate gravity of dysentery an inhibition of the

Card 1/2

ILLYUTOVICH, A.Yu., PETROVA, Z.S., GOLUBEVA, Ye.Ye., CHETVERNINA, R.S.

Use of the phage increase reaction for detecting Flexner's bacillus in the organism of an infected rabbit [with summary in English].
Biul.eksp.biol. i med. 45 no.6:78-84 Je '58 (MIRA 11:8)

1. Iz Starvopol'skogo instituta vaktsin i syvorotok (dir. - kand.med. nauk V.M. Kruglikov). Predstavlena deystvitel'nyy chlenom AMN SSSR L.A. Zil'berom.

(DYSENTERY, BACILLARY, experimental,
phage increase reaction in detection of bacilli (Rus))
(BACTERIOPHAGE,
increase reaction in detection of Shigella dysenteriae
in rabbits (Rus))

ILLYUTOVICH, A.Yu.; PETROVA, Z.S.; CHETVERNINA, R.S.; GOLUBEVA, Ye.Ye.

Experimental and biological method for obtaining vaccinal strains of Flexner's bacillus and studies on the immunological effectiveness of live dysenterial vaccine. Biul.eksp.biol. i med. 48 no.10:62-68 0 '59. (MIRA 13:2)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok (dir. - kand. med.nauk V.M. Kruglikov). Predstavlena deystvitel'nym chlenom AMN SSSR V.I. Chernigovskim.

(VACCINES)

(DYSENTERY BACILLARY immunol.)

APOSTOLOV, B.G., kand.med.nauk; MAKHLINOVSKIY, L.I., kand.med.nauk;
PETROVA, Z.S.; GOLUBEVA, Ye.Ye.; KHOTEYEVA, R.S.

Clinical and laboratory characteristics of coli enteritis;
from data of the Children's Clinical Hospital in Stavropol.
Sov.med. 24 no.11:96-100 N '60. (MIRA 14:3)

1. Iz kafedry detskikh bolezney (zav. -- dotsent B.G.Apostolov)
Stavropol'skogo meditsinskogo instituta, Stavropol'skogo instituta Vaktsin
i syvorotok (dir. - kandidat meditsinskikh nauk V.M.Kruglikov).
(ESCHERICHIA COLI)

(STAVROPOL--INTESTINES--DISEASES)

APOSTOLOV, B.G., dotsent; PETROVA, S.S., MAKHLINOVSKIY, L.I., LAKOTIN, Y.S.,
SHVARTSMAN, S.G.

Current clinical and epidemiological characteristics of
dysentery in young children. Dokl. zap. Stavropol'sk. gos. med.
inst. 1979, 104, 1-4.

1. Stavropol'skiy nauchno-issledovatel'skiy institut zhivotnogo
syvorotok (dir. dotsent V.M. Kruglikov) i katedra detskoi pediatrii
(zav. dotsent B.G. Apostolov) Stavropol'skogo gosudarstvennogo
meditsinskogo instituta (rektor prof. B.G. Rudykh).

ILLYUTOVICH, A.Yu.; APOSTOLOV, B.G.; PETROVA, Z.S.; MAKHLINOVSKIY, L.I.;
GOLUBEVA, Ye.Ye.; KHOTEYEVA, R.S.

Diagnostic significance of immunological reactions in the isolation of *E. coli* in young children. *Pediatrics* no.5:47-51 '61.
(MIRA 14:5)

1. Iz Stavropol'skogo instituta vaktsin i syvorotok (dir. - dotsent V.M. Kruglikova) i detskoy kliniki Stavropol'skogo meditsinskogo instituta (dir. - prof. V.G. Budylin, zav. kafedroy - kand.med.nauk B.G. Apostolov).
(*ESCHERICHIA COLI*)

ILLYUTOVICH, A.Yu.; PETROVA, Z.S.; KHOTEYEVA, R.S.; MAKHLINOVSKIY, L.I.;
GOLUBEVA, Ye.Ye.; ZAYKIS, B.F.

Experimental biological model of colienteritis and some
problems in the pathogenesis of this infection. Zhur.
mikrobiol., epid. i immun. 33 no.1:83-89 Ja '62. (MIRA 15:3)

1. Iz Stavropol'skogo instituta vaksin i syvorotok.
(ESCHERICHIA COLI)
(INTESTINES—DISEASES)

PRUTSKOVA, M.G., kand. sel'khoz. nauk; UKHANOVA, G.I.; SAKHAROVA, L.I.;
BOLSUNOVSKAYA, G.I.; IVANOVA, N.Ye.; LOVCHIKOV, I.S.; ZALKIND,
G.N.; IL'IN, M.I.; KOZ'MINA, K.A.; SHIKUT', V.A.; PETROVA,
Z.V.; GENERALOV, G.F.; JUDYUK, V.P.; GOMENYUK, L.I., red.

[New highly productive varieties of grain crops] Novye vysoko-
produktivnye sorta zernovykh kul'tur. Moskva, Kolos, 1965.
319 p. (MIRA 18:8)

PETROVA, Z.V.

Best buckwheat varieties. Zemledelie 23 no. 2:15-19 F '61.
(MIRA 14:2)

1. Starshiy agronom Goskomissii po sortoispytaniyu sel'skokhozyay-
stvennykh kul'tur.

(Buckwheat—Varieties)

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., N 7, 1958, 29752

Author : Petrova, Z.V.

Inst : _____

Title : On the Methods of Planting Millet.

Orig Pub : Zemledeliye, 1957, 2, 26-29.

Abstract : It may be concluded from the experimnts made on 183 variety plots of the State Commission on the variety Testing of Agricultural Crops that it is best to sow millet in dense or narrow rows when the fields are without weeds and by the wide-row or strip planting methods only when the ground is checked with weeds. The millet yield is larger with narrow rows and dense planting.

Card 1/1

PETROVA-ALEKSANDROVA, N.; PENEV, TS.; GUSHTEROV, G.

Some anatomic and microbiological studies on the retting of flax
(*Linum usitatissimum* L.) and hemp (*Cannabis sativa* L.).
Godishnik biol 56 no.1:67-81 '61-'62 (publ. '63).

PETROVA-ALEKSANDROVA, Nadia, st. asistent

Poplar, an important source for wood. Prir i znanie 13 no.2:7-10
F '60. (EBAI 9:11)

(Poplar) (Wood)

PETROVA-AVERKIYEVA, Yu. P.

Dissertation defended for the degree of Doctor of Historical Sciences at the
Institute of Archeology

"Collapse of the Native Community and the Formation of Early-Class Relationships of
Indians Living Along the Northwest Coast of North American."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

PETROVA-DENEVA, A. (Sofiya, Bulgariya)

Design of shells of revolution with a positive curvature under the
action of cyclic loadings. Inzh. zhur. 5 no.5.916-926 '65.
(MIRA 18:10)

PETROVA-DENEVA, A.

PETROVA-DENEVA, A. Momentless theory of thin shells described on a projected surface with negative curve. p. 121. Vol. 2, no. 1, 1955. RODISHNIA. ANNUAIRE. Sofia, Bulgaria

SOURCE: East European Accession List (EAL) Vol 6, No. 2--April 1957

PETROVA-DEMEVA, Ana

Computing a rotary shell with positive Gauss curvature under
cyclic boundary conditions. *Godishnik mash elekt* 10 no.1:29-
44 '61 (publ. '62).

PEPRA - MURHA, V.G.

USSR / Human and Animal Morphology (Normal and Pathological).
Cardiovascular System.

Abs Jour : Ref Zhurbiol., No 21, 1958, No 97086

Author : Petrova-Murafa, V.G.

Inst : Kazan Medical Institute

Title : Arteries and veins of the Human Medulla Oblongata.

Orig Pub : Sb. nauchn. rabot Kazansk. med. in-t, 1957, vyp. 4, 139-173

Abstract : As a result of the study of 40 cadavers of humans aged 3-75 years, and of analysis of data in the literature, it was shown that arteries (A) of the medulla oblongata (MO) form, on its ventral surface, unpaired anterior and paired lateral groups, and on the dorsal surface - one more unpaired group. The borders between groups are described. Anastomoses between the groups are constant, between the anterior and lateral groups - very rare, between the latter and posterior groups - frequent, but inconsequential according to diameter. A cerebelli inferior posterior plays a great part in the blood supply of MO whose importance is equal to that of the

Card 1/2

32

PETROVA - MOROZOV, V. G.
USSR/Human and Animal Morphology. Circulatory System S-4

Abstr Jour: Ref Zhur - Biol., No 19, 1958, 88441

Author : Petrova-Morozov, V. G.

Inst : Kazan Medical Institute

Title : The vascular Fields of the Cerebral Hemispheres

Orig. Pub: St. nauchn. rabot. Kazansk. med. in-t, 1957, 17.
4, 174-188

Abstract: It was demonstrated by the injection method in preparations of 6 human and 6 canine brain preparations that each of the 3 cerebral arteries (anterior, middle and posterior) has its own well-defined circulatory territory. The limits of these areas correspond to the areas of no phalomalacia, following embolism or other pathogenetic forms of the vascular syndrome. It is the opinion of the author that the basic peculiarity of the cerebral circulation consists in the

Abstr 1/2

USSR/Human and Animal Morphology. Circulatory System S-4

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88442

Author : Petrova-Murava, V. G.

Inst : Kazan Medical Institute

Title : On the Structure of the vascular Bed of the Subcortical
Cerebral Ganglia in Man, and On the Particularities
of Their Circulation

Orig Pub: Sb. nauchn. rabot. Kazansk. med. in-t, 1957, vyp. 4,
215-230

Abstract: It was demonstrated by the method of polychromic in-
jection of the blood vessels in 50 preparations of the
brain of men 3-78 years old, who died of asphyxia,
that the arteries of the nucleus caudatus, nucleus
lenticularis and of the optic thalamus are anatomically
terminal, which allows for the presence of junctions
between the capillary territories of neighboring arteri-

Card 1/2

PETROVA-MURAFI, V.G. (Kazan', ul. Dostoyevskogo, d.34, kv.5)

~~Macro-microanatomy of interior veins of the human cerebral hemi-~~
spheres [with summary in English]. Arkh.anat.gist. 1 cmbr. 35
no.3:45-50 My-Je '58 (MIRA 11:7)

1. Kafedra anatomii cheloveka (zav. - prof. V.N. Murat) Kazanskogo
gosudarstvennogo meditsinskogo instituta.

(BRAIN, blood supply
of interior brain, anat. & histol. (Rus))

PETROVA-YASYUNAS, L.P., kand.tekhn.nauk

Method of making calculations for landslide slopes according to
limiting states. Transp. stroi. 12 no.12:34-37 D '62. (MIRA 16:1)

(Soil mechanics)

PIetrova-ZAVGORODNYAYA, A.P.; ERASTOV, D.P.

~~Fluorescence analysis of paper contamination by mold fungi.~~
Izv.AN SSSR.Ser.biol. no.3:403-411 My-Je '59. (MIRA 12:9)

1. Laboratory of Conservation and Restoration of Documents,
Academy of Sciences of the U.S.S.R.
(PAPER--BACTERIOLOGY)
(MOLDS (BOTANY))
(FLUORESCENCE)

PETROV
YUGOSLAVIA/Human and Animal Physiology - Metabolism.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31404
 Author : Skrivaneli, N., Fansini, K., Fiser-Herrman, M., Tiefenbach,
 A., Librenjak, K., Petrovacki, M., Majnaric, D., Svet, I.
 Inst : -
 Title : Clinical and Biochemical Data Concerning Rickets.
 Orig Pub : Acta med. jugosl., 1956, 10, No 3, 337-359

Abstract : Twenty children aged 4 months to 2 years and ill with
 rickets were placed under observation. The triple intro-
 duction into the muscle of 15 mg of calciferol (I) in all
 the children gave a positive results; however, the rate
 with which X-ray and clinical symptoms disappeared in dif-
 ferent children varied significantly. A different thera-
 peutic effect did not depend on the gravity of the clini-
 cal and biological symptoms. The content of Ca in the
 serum before the beginning of the treatment was $< 9 \text{ mg\%}$
 in more than half of the children; after the first

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USSR/Human and Animal Physiology - Metabolism.

T-2

SKRIVANELI, N.; PANSINI, K.; FISHER-HERMAN, M.; TIEFENBACH, A.;
LIBRENJAK, K.; PETROVACKI, M.; MAJNARIC, D.; SVEL, I.

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iugosl. 10 no.3:337-356 1956.

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Zavod za kliničku kemiju Farmaceutskog fakulteta u Zagrebu.
(RICKETS, metabolism,
(Ser))

PETROVACKI, MILICA

24
A case of cystinuria. Marjolein Rijkers-Hermsen and Milica Petrovacki (Pharmaceutical Fac., Zagreb, Yugoslavia). *Acta Pharm. Jugoslav.* 5, No. 1, 51-62 (1955).
Bladder stones from a 2½ year old girl were cystine (I) stones; furthermore the urinary sediment during the whole lifetime of the girl always contained I. Analysis of the urine did not show anything unusual; sugar and protein were always absent, and the total vol. was rather small. The amino acids excreted by the girl, by her parents and her maternal grandmother were analyzed by two dimensional paper chromatography by aid of PhOH-citrate buffer and Py-H₂O mixtures. The urine of the girl contained more lysine (II) and arginine (III) than I; the urine of the father contained I and II; and the urines of mother and grandmother contained small amts. of I. As the child continued to develop normally, but always had increased amts. of I, II, and III in her urine, it is concluded that one has to deal here with a hereditary cystinuria of the *Dent* type.
30 references. Werner Jacobson

FISER-HERMAN, Marijana; PETROVACKI, Milica

Case of cystinuria. Acta pharm.jugosl. 5 no.1:51-62 '55.

1. Zavod za Klinicku Kemiju Farmaceutski Fakultet, Zagreb.
(CYSTINURIA)

LORINCZ, Istvan, vezető főorvos; PALKÓ, Istvan, igazgató, PETROVÁN, Oszkár,
szakcsoportvezető

Age determination in school children with the aid of complex studies.
Gyermekgyógyászat 13 no.2:53-62 F '62.

1. A Szombathelyi Felsőfokú Tanítóképző Intézet és a Vas megyei
Gyermek Ideggondozó Intézet közleménye.
(GROTH)

LORINCZ, Istvan, dr.; PALKO, Istvan; Petrovan, Oszkar (Szombathely)

Complex investigation for determining school maturity. Magyar
pszichol szemle 19 no.3:325-337 '62.

PETROVANU, Dan, lector (Iasi); CHIRIAC, V., prof.; ARMEANU, Aurora prof.;
MARINO, Maria; LUCA, E.

Observations on the arithmetic manual for grade 6. Gaz mat fiz
15 no.7:364-372 J1 '63.

PETROVANU, Dan

A theorem on the existence and unicity of the solutions of the systems with total, completely integrable differentials. Comunicarile AR 12 no.7:791-797 JI '62.

1. Comunicare prezentata de M.Haimovici, membru corespondent al Academiei R.P.R.

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Studii mat Iasi 13 no.1:23-52 '62.

PETROVANU, Dan

Extensions of the solutions of completely integrable systems Pfaff,
and their asymptotic behavior. Studii mat Iasi 12 no.1:1-12 '61.

PETROV ANU, M.

Distr: 4E2c(j)

Copper complexes with some formazans, derived from the *p*-, *m*-, and *p*-aminobenzoic acids. M. Petrov and A. Borca. *Analele stiale*, 1957, 4, 157-68 (1958). — Coupling of aromatic and aminobenzoic and anthranilic acids with fatty, aromatic, and double-bonded phenylhydrazones, like the phenylhydrazones of isovaleric, enanthic, anisic and cinnamic aldehydes, yielded a series of formazans (Ia) of which the last 7 were hitherto unknown: *N*-(carboxy-4-phenyl)-*N'*-phenyl-*C*-hexyl- (Ib), *N*-(carboxy-4-phenyl)-*N'*-phenyl-*C*-isobutyl-anisyl- (Ic), *N*-(carboxy-3-phenyl)-*N'*-phenyl-*C*-isobutyl-anisyl- (Id), *N*-(carboxy-4-phenyl)-*N'*-phenyl-*C*-hexyl- (Ie), *N*-(carboxy-3-phenyl)-*N'*-phenyl-*C*-hexyl- (If), *N*-(carboxy-2-phenyl)-*N'*-phenyl-*C*-anisyl- (Iv), *N*-(carboxy-3-phenyl)-*N'*-phenyl-*C*-anisyl- (V), *N*-(carboxy-4-phenyl)-*N'*-phenyl-*C*-anisyl- (Vi), and *N*-(carboxy-4-phenyl)-*N'*-phenyl-*C*-cinnamyl- (Vii). By reaction between alc. solns. of these formazans and an eq. soln. of $(\text{AcO})_2\text{Cu}$ acidulated with AcOH, Cu complex salts of 1:1 molar ratio of formazan-Cu were prepd.; these contained no H_2O or EtOH of cryst. Phys. data for the formazans were (appearance and m.p. given): I, bright red with metallic

luster, 165-6°; II, red, 190°; III, blood red, 150-52°; IV, dark cherry red, 190°; V, dark cherry red, 181°; VI, red, 216°; VII, cherry red, 192°. IV, V, VI, and VII were difficultly sol. in org. solvents. Phys. data for the new Cu-Ia complexes were (same data): from Ib, brown-black, 180°; Ic, blue black, 230°; I, black, 185-7°; II, dark brown, 210°; III, dark cherry red, 185°; IV, red-brown, 248°; V, dark blue, 235°; VI, black powder, 212°; VII, black, 230-2°. All Cu-Ia complexes were H_2O -insol. and dissolved with difficulty in alc. and other org. solvents. All dissolved in H_2SO_4 with an intense violet or blue coloration, with the exception of V, which gave a green-brown coloration. A hypochromic effect was observed when the intense dark colorations changed into lighter colors (orange, yellow) upon treatment with NH_4OH or pyridine, indicating coordinative unsaturation of the Cu. The formulas for the 8 types of Cu-Ia complexes (including from ortho, para, and meta positioned groups) were deduced and their possible use as colorant pigments for synthetic fibers considered.

M. Lapidot

ZUGRAVESCU, I.; PETROVANU, M.; RALEA, R.

Investigations concerning the preparation, structure and
antibacteriostatic properties of derivatives of β -aroyl
acrylic acids. Rev chimie no. 1033-043 '62.

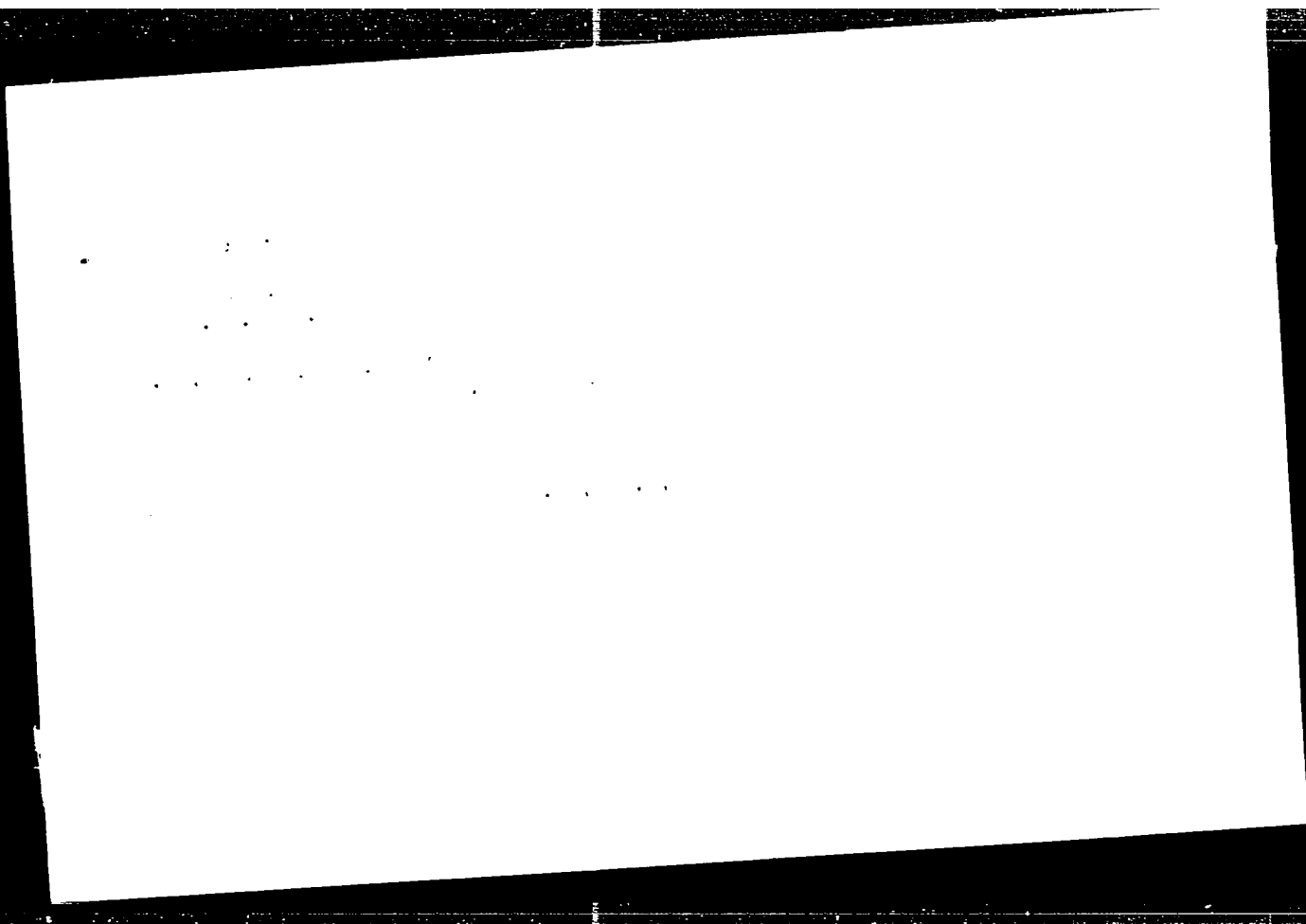
1. Department of Organic Chemistry, "Al. I. Cuza"
University Iasi.

Petrovsky, M. D. et al.

9
 ... with antitubercular activity. C. V. Gheorghiu, I. ...
 ... 1955, 1, No. 1, 97-126. The antitubercular effects of 85 new substances are measured *in vitro*, and the results are compared with those for known antitubercular drugs. *o*-Halogeno-*p*-aminobenzoic acids (I) are as effective as *p*-amino-salicylic acid (II). The salts of I and II with aromatic aldehydes (but not with *p*-dimethylaminobenzaldehyde) are effective. The azo colours obtained by diazotization of I are ineffective. Other thiosemicarbazones have an activity exceeding that of *p*-acetylaminobenzaldehyde (III), particularly that of *o*-chloro-III. Among the thiosemicarbazones obtained by the action of isothiocyanates on sulphamides the *N*-*p*-tolyl-*N'*-*p*-sulphonamidophenyl- sulphonthiazolyl- amidophenyl- and acetylaminosulphonamidophenyl- thiosemicarbazones are highly effective. The *p*-tolylthiocarbonyl radical confers great activity, particularly when introduced into an amine, sulphamide or hydrazide, and *p*-tolylisopicolinoyl thiosemicarbazide is more effective than isonicotinic acid hydrazide. The isonicotinoyl hydrazones are also effective. (20 references.) (In French.) A. D. DASHAM.

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U.S. DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC RESEARCH, WASHINGTON, D.C. 20540

experience in surgery of cases of acoustic neuroma with the
 1941. For. Surg. 1941; 7: 1941.
 1941. J. Laryngol. 1941; 51: 1941.
 1941. J. Laryngol. 1941; 51: 1941.

...ter., BUREAU. 100-17 1993.

2. FAHNE, also:

Смат. 7.1

PONOMAREV, V.P., doktor tekhnicheskikh nauk, professor.

Review of the book "Investigation of the stability of landslides in homogeneous clayey soils". L.P.Petrova-Iasyunas. Reviewed by V.P.Ponomarev. Transp. stroi. 5 no.9:30-31 N '55. (MLRA 9:2) (Railroad engineering) (Landslides) (Petrova-Iasyunas, L.P.)

USSR/Microbiology. Microbes Pathogenic for Man and
Animals

Abs Jour : Ref Zhur-Biol., No 13, 1956, 57~~48~~

Author : Kudlya D. G. , Petrovskaya V. G.

Inst : Not Given

Title : On the Peculiarities of the Antigenic Properties of R-form Bacteria of the Coli Group

Orig Pub : Zh. mikrobiol., epidemiol., i immunologii,
1957, No 8, 16-22

Abstract : Variants with various degrees of coarseness were experimentally obtained in the investigation of the dissociation of Flexner's dysentery bacteria. The following served as criteria for the determination of typical R-forms: the positive tripaflavine test; the inagglutinability of the specific polyvalent serum;

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USSR/Microbiology. Microbes pathogenic for Man and
Animals

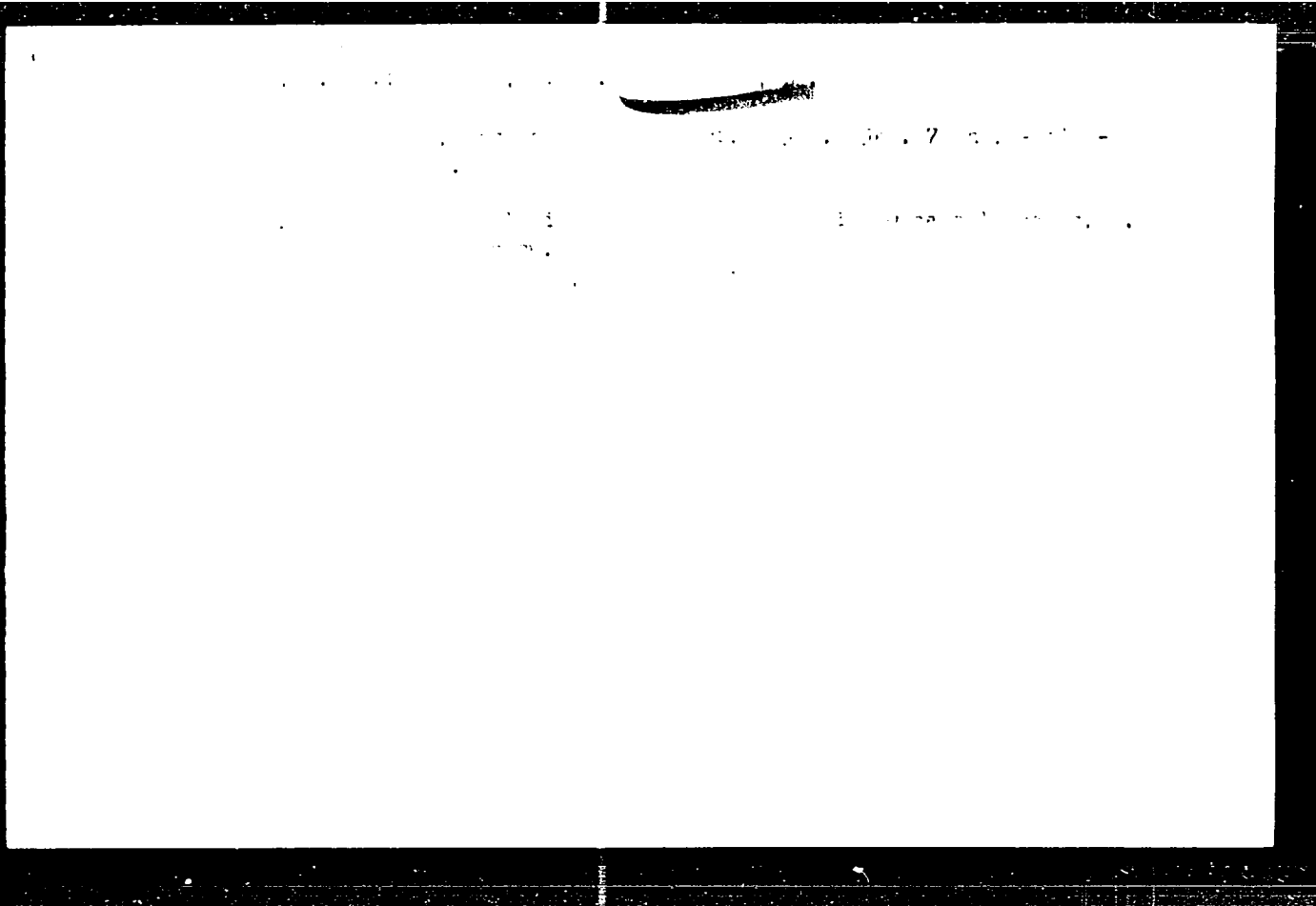
Abs Jour : Ref Zhur-Lichl.. No 16, 1959, 5748

Abstract : High anticomplement properties; spontaneous H₂ when heated with physiological solution. Variants with these indices have no complete antigen. It was established on rabbits that the coarse variants still possess agglutinability but stimulated the formation of antibodies to R-cultures in high titers. The same was observed when R-variants of typhoid bacteria adapted in the process of their artificial adaptation to syntomycin were studied. The loss of agglutinability and the preservation of the antigenic properties by R-forms the autotransmissible is being due to the fact that in the process of dissociation the microbial cell to some degree loses its superficially situated coat antigen, retaining the ability to develop anti-

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PETROVICIC. F

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Case of villous tumor of the stomach (adenocarcinoma) Acta chir.
iugosl. 1 no.3:287-294 1954.

1. Kirurški odjel Opće bolnice dr. M.Stojanovica (predstojnik prim.
dr. A.Gottlieb), Zavod za rentgenologiju Opće bolnice dr. M.Stojanovica
(predstojnik prof. dr. S.Kadruka) u Zagrebu.

(STOMACH, neoplasms
adenocarcinoma, papillary)

PETROVICIC, F.

"Domestically Produced X-ray Film. Fotokemijska." p. F38, (KEMIJA U
INDUSTRIJI, Vol. 3, no. 9, Sept. 1954. Zagreb, Yugoslavia.)

SO: Monthly List of East European Accessions, (REAL), LC,
Vol. 4, No. 5, May 1955, Uncl.

PETROVICIC, F., Dr.

Multiple cancers. Med. arh., Sarajevo 9 no.1:19-30 Jan-Feb 55.

1. Rentgenoloski zavod bolnice u Vinogradskoj ulici u Zagrebu
(Predstojnik prof. dr. S. Kadrnka).
(NEOPLASMS,
multiple. (Ser))

PETROVIC, P.

Cerebrospinal foam in encephalography. Neuropsihijatrija 3 no.2:
128-131 1955.

1. Zavod za rentgenologiju Opce bolnice NH dr. Ml. Stojanovic
u Zagrebu. Pred: Prof. dr. S. Kadrnka.

(CEREBROSPINAL FLUID,
foaming in encephalography, age factor)
(BRAIN, radiography,
encephalography, CSF foaming in, age factor)

KRIVEC, Oto, Dr.; PETROVICIC, Ferdo, dr.

Our experiences with retropneumoperitoneum. Lijec.vjes. 77 no.3-4:
178-183 Mar-Apr '55.

1. Iz Urološkog djela i Zavoda za rentgenologiju Opće bolnice dr.
M. Stojanovica u Zag. sbu.
(PNEUMOPERITONEUM, ARTIFICIAL,
retropneumoperitoneum, technic & indic.(Ser))

MARK, B.; PETROVICIC, F.

Pneumo-retroperitoneum. Acta chir.iugosl. 2 no.2-3:220-229 '55.

1. Radioloski institut Medicinskog fakulteta klinike Rebro u Zagrebu (Predstojnik prof. dr Milan smokvina i Rentgenoloski zavod Opce bolnice dr.Ml. Stojanovica u Zagrebu (Predstojnik: prof. dr. Silvije Kadruka)

(PNEUMOPERITONEUM, ARTIFICIAL,
retropneumoperitoneum, diag.value, technic & indic.
(Ser))

OBERITER, V., Dr.: PETROVIC, F., dr., KRAJNOVIC, P., dr.

Atresia of esophagus. Lijec. vjes. 78 no.5-6:233-239 May-June 56.

1. Iz Dječjeg odjela, Zavoda za rentgenologiju i Porodičnog odjela Opće bolnice dr. M. Stojanovica u Zagrebu.

(ESOPHAGUS, abnorm.

atresia in newborn inf. (Ser))

(INFANT, NEWBORN, abnorm.

atresia of esophagus (Ser))

PETROVICIC, F., Dr.; STOJANOVICA, M., Bolnica Dr., (Zagreb)

Injurious effect of ionizing radiations and the organization
of protection from it. Higijena, Beogr. 7 no.1-4:573-576 1955.

(RADIATION PROTECTION
organiz. (Ser))

ETROVIC, F.

Different conditions for developing X-ray pictures in various dark chambers. Fotokemijska. p. 10. KEMIJA U INDUSTRIJI. (Društvo kemicara-tehnologa NR Hrvatske. Sekcija kemicara) Zagreb. Vol. 5, no. 3, Mar. 1956.

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PETROVICIC, Ferdo, Dr.

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Stojanovica u Zagrebu.
(CONTRAST MEDIA, inj. eff.
prev. (Ser))

HUDOLIN, Vl.; PETROVICIC, F.

Diagnosis of tuberous sclerosis; two personal case reports.
Neuropsihijatrija 4 no.3-4:209-217 1956.

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(TUBEROUS SCLEROSIS, diag.
(Ser))

PETROVICIC, F.; OBKRITER, B.

Malignant tumors of the kidney; incidence and correlation of clinical manifestations with x-ray findings in personal cases. Acta chir. iugosl. 4 no.1:35-44 1957.

1. Zavod za rentgenologiju (Predstojnik prof. dr. S. Kadrnka)
i Uroloski odjel (Predstojnik dr. B. Barac) Opće bolnice M.H.
dr. M. Stojanovica u Zagrebu.

(KIDNEYS, neoplasms

malignant, correlation of clin. & x-ray findings (Ser))

PETROVIC, F.

ORIGIN: S. PETROVIC, F.

Abnormalities of kidneys and ureters. Acta chir. inoss. 4 no. 1246-290 1997.

1. Uroloski odjel (predstojnik dr. A. Barac) i Laboratorij nefrologije (Predstojnik prof. dr. B. Martin) Opće bolnice Narodna heroja Dr. M. Stojanovica u Zagrebu.

(URINARY TRACT, abnormal.)

(Ser.)

PETROVIC, F.

OBERITER, V.; PETROVIC, F.

Personal results in encephalography in children. Neuropsihijatrija
5 no.1:49-55 1957.

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genologiju (predstojnik prof. dr. S. Kadrnka) Opće bolnice Dr. M.
Stojanovica u Zagrebu.

(BRAIN, radiography

air encephalography in child. (Ser))

PETROVIC, F.

Effect of ionizing radiations on the population, its genetic hazard and prophylactic measures. Higijena, Beogr. 11 no.1:45-54 '59.

(RADIATION PROTECTION)

(RADIATION INJURY)

PETROVIC, F.

Polypous tumors of the duodenum. Report of a case of giant polyp of the bulbus. Acta chir. iugosl. 6(7) no.3:260-264 '89.

1. Zavod za rentgenologiju Opce bolnice "Dr. M. Stojanovic" u Zagrebu, Predstojnik: prof. dr. S. Kadruka.
(DUODENUM neoplasms)
(POLYPI case reports)

PETROVICIC, Fardo, dr.

Hazards in medical use of roentgen and other ionizing radiations.
Lijec. vjes., Zagreb 82 no.1:3-13 '60.

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(RADIATION PROTECTION)

PETROVIC, Ferdo, dr.

Protection of the gonads in roentgenological diagnosis. Lijec.
vjes. 82 no.2:133-139 '60.

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u Zagrebu.

(RADIATION PROTECTION)
(GONADS radiation eff.)

PETROVIC, F.

Exposure of roentgenologists and their assistants to roentgen rays during fluoroscopic examinations of the heart and lungs. Arh hig rada 11 no.2:117-130 '60.

1. Zavod za rendgenologiju Opce bolnice "Dr. M. Stojanovica", Zagreb.

(LUNGS radiog) (HEART radiog. (RADIATION PROTECTION)

PETROVIC, F.; MARGREITNER, K.

Exposure to ionizing radiations of the population of Croatia caused by medical roentgenographic examinations. Arh hig rada 11 no.1:45-52 '60.

1. Opća bolnica "Dr. M. Stojanovic" i Centralni higijenski zavod, Zagreb.

(RADIOGRAPHY)

PETROVIC, Ferdo; BENKOVIC, Blanka

Gonad dose exposure during diagnostic procedures (measurement). Rad.
med. fak. Zagreb 8 no.2:188-194 '60.

(RADIOMETRY) (GONADS radiation eff)

PETROVIC, F.

Exposure of roentgenologists and their assistants to roentgen rays during radiographic examinations of the digestive tract. Arh hig rada 11 no.2:131-140 '60.

1. Zavod za rendgenologiju Opce bolnice "D. M. Stojanovic", Zagreb.

(GASTROINTESTINAL SYSTEM radiog)
(RADIATION PROTECTION)

HABER, M. (Zagreb); PETROVIC, F. (Zagreb)

Method for the research on the dependence of the duration
of development from the temperature of the developer for
the Roentgen films exposed with the application of foil.
Kem ind 10 no.7:Suppl.F-61--F-64, J1 '61.

PETROVIC, F.; VIDOVIC, M.

Roentgenological pictures of excretory appendices and their comparison with clinical and patho-anatomical findings. Acta chir. Iugosl. 2 no.1:74-78 1961.

1. Zavod za rentgenologiju (Predstojnik Prof. dr S Kadrnka) i Kirurski odjel (Predstojnik dr D. Kiessner) Opće bolnice "Dr. M. Stojanovic" u Zagrebu.

(APPENDIX pathol)

PETROVICIC, P. (Zagreb)

Application of film for the control of professional exposition to ion radiation and possibilities of the simplification of such application of films in the X-ray diagnostic institutions. Kem ind 10 no.1:F-5—F-13 Ja '61.

1. Zavod za rentgenologiju, suradne ustanove Medicinskog fakulteta Univerziteta u Zagrebu, Opce bolnice "Dr. O. Novosela", Zagreb, Zajceva ul. 19.

PETROVIC, F. (Zagreb), HABER, M. (Zagreb)

Methods of the examination of the dependence of the development time from the temperature of the developer by using very simple apparatus. Kem ind 10 no. 4: Suppl. F-42-45 Ap 61.

PETROVIC, Ferdo, dr; BASIC, Marko, dr; SOLJAN, Nevenka, dr

Difficulties on the diagnosis of right-sided parasternal diaphragmatic hernia. Liječn. vjesn. 83 no.4:347-356 '61.

1. Iz Zavoda za radiologiju i Internog odjela Opće bolnice
"Dra Mladena Stojanovica" u Zagrebu.
(HERNIA DIAPHRAGMATIC diagn.)

KATUNARIC, Dusko, dr.; PETROVIC, Ferdo, dr.; VIDOVIC, Mladen, dr.; GJURIN, Boris, dr.; ZENIC, Vjekoslav, dr.

Our experience with the x-ray picture of the appendix. Liječn. vjesn. 83 no.11:1151-1157 '61.

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(APPENDIX radiog)